

IN THE CLAIMS

1. (Previously Presented) A moving image coding apparatus, comprising:

coding means for (1) dividing an input moving image signal into a plurality of frame image signals, (2) dividing each of the frame image signals into a plurality of area image signals, (3) compression coding each area image signal into an area image code string, and (4) adding frame header information indicating a compression coding mode of the frame to each area image code string; and

packetization means for collecting a plurality of area image code strings to which the frame header information has been added, and for adding packet header information to the collected plurality of area image code strings.

2. (Previously Presented) The moving image coding apparatus as claimed in claim 1, wherein said packetization means includes a multiplexer comprising:

a plurality of access unit generators configured to separate the area image code strings into predetermined units and to generate access units from the plurality of access unit generators and to generate a sync layer packet.

3-4. (Cancelled)

5. (Withdrawn – Currently Amended) A moving image coding apparatus, comprising:

a plurality of coding means for (1) dividing an input moving image signal into a plurality of frame image signals, (2) dividing each of the frame image signals into ~~one or more~~ a plurality of area image signals, and (3) compression coding the each area image signal

into an area image code-string, and (4) adding a frame header information indicating a compression coding mode of the frame to the area image code string; and

a plurality of packetization means for collecting ~~one or more~~ a plurality of area image code strings to which the frame header information is has been added, and for adding packet header information to the collected plurality of area image code strings.

6. (Cancelled)

7. (Withdrawn) The moving image coding apparatus as claimed in claim 1 wherein-said packet header information includes time stamp information generated by converting time stamp information in the code strings into a predetermined format.

8-9. (Cancelled)

10. (Withdrawn – Currently Amended) A record medium recording a code string prepared by a moving image coding apparatus comprising:

coding means for (1) dividing an input moving image signal into a plurality of frame image signals, (2) dividing each of the frame image signals into ~~one or more~~ a plurality of area image signals, and (3) compression coding ~~the~~ each area image signal into an area image code string, and (4) adding a frame header information indicating a compression coding mode of the frame to ~~the~~ each area image code string; and

packetization means for collecting ~~one or more~~ a plurality of area image code strings to which the frame header information is has been added, and for adding packet header information to the collected plurality of area image code strings.

11. (Withdrawn – Currently Amended) The moving image coding apparatus as claimed in claim 5, wherein said packetization means includes a multiplexer comprising:
a plurality of access unit generators ~~for separating~~ configured to separate the area
image code strings into predetermined units and ~~generating access units and a sync layer~~
~~packet generator for receiving the~~ to generate access units from the access unit generators and
to generate ~~generating~~ a sync layer packet.

12-13. (Cancelled)

14. (Previously Presented) A method of coding a moving image, comprising:
dividing an input moving image signal into a plurality of frame image signals;
dividing each of the frame image signals into a plurality of area image signals;
compression coding each area image signal into an area image code string;
adding frame header information indicating a compression coding mode of the frame
to each area image code string; and
collecting a plurality of area image code strings to which the frame header
information has been added, and adding packet header information to the collected plurality
of area image code strings.

15. (Previously Presented) The method of coding a moving image as claimed in
claim 14, further comprising:
separating the code strings into predetermined units and generating access units; and
receiving the access units and generating a sync layer packet.

16. (Cancelled)

17. (Withdrawn – Currently Amended) A recording medium for executing a computer program comprising the steps of:

dividing an input moving image signal into a plurality of frame image signals;

dividing each of the frame image signals into ~~one or more~~ a plurality of area image signals;

compression coding the each area image signal into an area image code string;

adding a frame header information indicating a compression coding mode of the frame to the each area image code string; and

collecting ~~one or more~~ a plurality of area image code strings to which the frame header information is has been added, and adding packet header information to the collected plurality of code strings.

18. (Withdrawn – Currently Amended) The recording medium for executing computer program as claimed in claim 17, wherein said computer program further ~~comprising~~ comprises the steps of:

separating the code strings into predetermined units and generating access units; and

receiving the access units ~~from the access unit generators~~ and generating a sync layer packet.

19-25. (Cancelled)

26. (Withdrawn) The moving image coding apparatus as claimed in claim 1, wherein said frame header information includes any information of a time code, a VPO coding mode,

intra DC VLC table change information, motion vector range information contained in the VOP header.

27. (Cancelled)

28. (Withdrawn) The moving image coding apparatus as claimed in claim 5, wherein said frame header information includes any information of a time code, a VPO coding mode, intra DC VLC table change information, motion vector range information contained in the VOP header.

29-30. (Cancelled)

31. (Withdrawn – Currently Amended) A moving image coding apparatus, comprising:

a coder configured to perform a function for (1) dividing an input moving image signal into a plurality of frame image signals, (2) dividing each of the frame image signals into ~~one or more~~ a plurality of area image signals, and (3) compression coding the each area image signal into an area image code string, and (4) adding a frame header information indicating a compression coding mode of the frame to the area image code string; and

a packetizator configured to perform a function for collecting ~~one or more~~ a plurality of area image code strings to which the frame header information is has been added, and for adding packet header information to the collected plurality of area image code strings.

32. (Withdrawn – Currently Amended) The moving image coding apparatus as claimed in claim 31, wherein said packetizator includes a multiplexer comprising:

a plurality of access unit generators configured to perform a function for separating the code strings into predetermined units and generating ~~access units and a sync layer packet generator for receiving the~~ access units from the plurality of access unit generators and generating a sync layer packet.

33-34. (Cancelled)

35. (Withdrawn – Currently Amended) A moving image coding apparatus, comprising:

a plurality of coders configured to perform a function for (1) dividing an input moving image signal into a plurality of frame image signals, (2) dividing each of the frame image signals into ~~one or more~~ a plurality of area image signals, ~~and~~ (3) compression coding ~~the~~ each area image signal into an area image code string, and (4) adding a frame header information indicating a compression coding mode of the frame to the area image code string; and

a plurality of packetizators configured to perform a function for collecting ~~one or more~~ a plurality of area image code strings to which the frame header information is has been added, and for adding packet header information to the collected plurality of area image code strings.

36. (Cancelled)

37. (Withdrawn) The moving image coding apparatus as claimed in claim 31 wherein said packet header information includes time stamp information generated by converting time stamp information in the code strings into a predetermined format.

38-39. (Cancelled)

40. (Withdrawn – Currently Amended) The moving image coding apparatus as claimed in claim 35, wherein said packetizator includes a multiplexer comprising:

a plurality of access unit generators configured to perform a function for separating the code strings into predetermined units and generating ~~access units and a sync layer packet generator configured to perform a function for receiving~~ the access units from the plurality of access unit generators and generating a sync layer packet.

41-42. (Cancelled)

43. (Withdrawn) The moving image coding apparatus as claimed in claim 31, wherein said frame header information includes any information of a time code, a VPO coding mode, intra DC VLC table change information, motion vector range information contained in the VOP header.

44. (Cancelled)

45. (Withdrawn) The moving image coding apparatus as claimed in claim 35, wherein said frame header information includes any information of a time code, a VPO coding mode, intra DC VLC table change information, motion vector range information contained in the VOP header.

46-48. (Cancelled)

49. (Previously Presented) A moving image coding apparatus, comprising:

a first coding device configured to (1) divide an input moving image signal into a plurality of frame image signals, (2) divide each of the frame image signals into a plurality of area image signals, (3) compression code each area image signal into an area image code string, and (4) add frame header information indicating a compression coding mode of the frame to each area image code string; and

a second coding device configured to collect a plurality of area image code strings to which the frame header information has been added, and to add packet header information to the collected plurality of area image code strings.

50. (Previously Presented) The moving image coding apparatus as claimed in claim 49, wherein said second coding device includes a multiplexer comprising:

a plurality of access unit generators configured to separate the area image code strings into predetermined units and to generate access units from the plurality of access unit generators and to generate a sync layer packet.